



INFORMATION DISCLOSURE CITATION

PTO-1449

ATTORNEY'S DOCKET NO.:

99-1CIP1DIV1

APPLICATION NO.:

09/728,732

APPLICANT:
Bergh, et al.FILING DATE:
11/28/2000GROUP:
1743

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US PATENT DOCUMENTS

| EXAMINER'S INITIALS | PATENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|------------------------|----------------------|--------------------|--------------------|----------------|----------------|---------------------|
| | 6,086,740 | 7/11/00 | Kennedy | 204 | 601 | 10/29/98 |
| EW | 6,071,478 | 6/6/00 | Chow | 422 | 81 | 2/2/99 |
| | 3,797,202 | 3/19/74 | Neulander et al. | 55 | 158 | 8/27/71 |
| | 4,386,505 | 6/7/83 | Little | 62 | 514 R | 3/4/82 |
| | 4,392,362 | 7/12/83 | Little | 62 | 514 R | 5/1/81 |
| | 4,516,632 | 5/14/85 | Swift et al. | 165 | 167 | 8/31/82 |
| | 5,016,707 | 5/21/91 | Nguyen | 165 | 167 | 12/28/89 |
| | 5,145,579 | 9/8/92 | Eguchi et al. | 210 | 198.2 | 9/16/91 |
| | 5,209,906 | 5/11/93 | Watkins et al. | 422 | 200 | 5/10/91 |
| | 5,230,866 | 7/27/93 | Shartle et al. | 422 | 103 | 3/1/91 |
| | 5,296,775 | 3/22/94 | Cronin et al. | 310 | 309 | 9/24/92 |
| | 5,354,460 | 10/11/94 | Keamey et al. | 210 | 198.2 | 1/28/93 |
| | 5,385,712 | 1/31/95 | Sprunk | 422 | 190 | 12/7/93 |
| | 5,388,635 | 2/14/95 | Gruber et al. | 165 | 80.4 | 5/8/92 |
| | 5,580,523 | 12/3/96 | Bard | 422 | 50 | 4/1/94 |
| | 5,587,128 | 12/24/96 | Wilding et al. | 422 | 50 | 11/14/94 |
| | 5,611,214 | 3/18/97 | Wegeng et al. | 62 | 498 | 7/29/94 |
| | 5,639,423 | 6/17/97 | Northrup et al. | 122 | 50 | 8/31/92 |
| | 5,658,413 | 8/19/97 | Kaltenbach et al. | 156 | 272.8 | 6/7/95 |
| | 5,699,157 | 12/16/97 | Parce | 356 | 344 | 7/16/96 |
| | 5,852,495 | 12/22/98 | Parce | 356 | 344 | 9/30/97 |
| | 5,858,195 | 1/12/99 | Ramsey | 204 | 601 | |
| | 5,869,004 | 2/9/99 | Parce et al. | 422 | 100 | 6/9/97 |
| | 5,908,552 | 6/1/99 | Dittmann et al. | 210 | 198.2 | 10/10/97 |
| | 5,942,443 | 8/24/99 | Parce et al. | 436 | 514 | 6/28/96 |
| | 5,948,227 | 9/7/99 | Dubrow | 204 | 455 | 12/17/97 |
| | 5,955,028 | 9/21/99 | Chow | 422 | 63 | 8/14/97 |
| | 5,957,579 | 9/28/99 | Kopf-Sill et al. | 366 | 340 | 9/30/98 |
| | 5,965,001 | 10/12/99 | Chow et al. | 204 | 600 | 7/3/97 |

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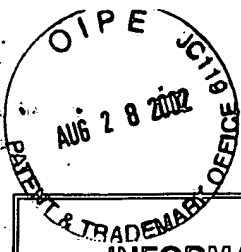
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US PATENT DOCUMENTS

| EXAMINER'S INITIALS | PATENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|------------------------|------------|----------|---------------|-------|----------|----------------|
| PK | 5,965,410 | 10/12/99 | Chow et al. | 435 | 91.2 | 11/25/97 |
| | 5,976,336 | 11/2/99 | Dubrow et al. | 204 | 453 | 4/25/97 |
| | 5,989,402 | 11/23/99 | Chow et al. | 204 | 601 | 8/29/97 |
| | 6,001,229 | 12/14/99 | Ramsey | 204 | 451 | 8/1/94 |
| | 6,004,515 | 12/21/99 | Parce et al. | 422 | 100 | 10/27/98 |
| | 6,010,607 | 1/4/00 | Ramsey | 204 | 435 | 9/16/98 |
| | 6,010,608 | 1/4/00 | Ramsey | 204 | 453 | 9/16/98 |
| | 6,042,709 | 3/28/00 | Parce et al. | 204 | 453 | 11/24/98 |
| | 6,042,710 | 3/28/00 | Dubrow | 204 | 454 | 5/11/99 |
| | 6,046,056 | 4/4/00 | Parce et al. | 436 | 514 | 12/6/96 |
| | 6,068,684 | 5/30/00 | Overton | 96 | 104 | 9/11/97 |
| | 6,068,752 | 5/30/00 | Dubrow et al. | 204 | 604 | 8/11/99 |
| | 6,074,725 | 6/13/00 | Kennedy | 428 | 188 | 12/10/97 |
| | 6,087,180 | 7/11/00 | Gleaves | 436 | 37 | 10/28/96 |
| | 6,100,541 | 8/8/00 | Nagle et al. | 250 | 573 | 2/24/98 |
| | 6,123,798 | 9/26/00 | Gandhi et al. | 156 | 292 | 5/6/98 |
| ✓ | 6,132,685 | 10/17/00 | Kercso et al. | 422 | 104 | 8/10/98 |
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| EXAMINER'S INITIALS | PATENT NO. | DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION ? | FILING DATE |
|------------------------|--------------|----------|----------------|--|------------------|----------------|
| EQ | WO 99/64836 | 12/16/99 | PCT | G01N 1/10 | No | 6/7/99 |
| | WO 00/45172 | 8/3/00 | PCT | G01N 33/558 | No | 1/28/00 |
| | GB 2 327 754 | 2/3/99 | United Kingdom | G01N 31/10 | No | 7/26/97 |
| | WO 98/56956 | 12/17/98 | PCT | C12Q 1/70 | No | 6/9/98 |
| | WO 99/10221 | 1/14/99 | PCT | B01L 3/00 | No | 6/29/98 |
| | WO 99/30817 | 6/24/99 | PCT | B01J 19/00 | No | 12/15/97 |
| | WO 99/34205 | 7/8/99 | PCT | G01N 30/86 | No | 12/29/98 |
| | WO 99/43432 | 9/2/99 | PCT | B01L 3/00 G01N 27/26, 27/447 | No | 2/23/99 |
| | WO 99/59716 | 11/25/99 | PCT | B01J 19/00 | Yes | 6/12/99 |
| | WO 99/64160 | 12/16/99 | PCT | B01L 3/02, 3/00 // B01J 19/00 | No | 6/2/99 |
| | WO 00/22424 | 4/20/00 | PCT | G01N 27/26, 27/447 | No | 10/12/99 |
| | WO 0042212 | 7/20/00 | PCT | C12Q 1/00, 1/26, G01N 33/53, 33/567 | No | 1/18/00 |
| | WO 00/43766 | 7/27/00 | PCT | G01N 27/26 | No | 1/19/00 |
| | WO 00/46594 | 8/10/00 | PCT | G01N 27/26 | No | 2/2/00 |
| | WO 00/50172 | 8/31/00 | PCT | B01L 3/100, C12Q 1/68 | No | 2/22/00 |
| | WO 00/07026 | 2/10/00 | PCT | G01N 35/00, E21B 49/00 | No | 7/26/99 |
| | WO 01/12327 | 2/22/01 | PCT | B01L 3/00 | No | 8/10/00 |
| | WO 96/35810 | 11/14/96 | PCT | C12Q 1/68, 1/70 | No | 5/9/96 |
| | WO 99/19724 | 4/22/99 | PCT | G01N 31/10 | No | 10/8/98 |
| | WO 00/32512 | 6/8/00 | PCT | C01B 3/50, B01D 71/02, B01J 19/00 | No | 12/2/99 |
| | WO 00/32308 | 6/8/00 | PCT | B01J 19/00 | No | 12/3/99 |
| | WO 99/48599 | 9/30/99 | PCT | B01F 5/06 | No | 3/22/99 |
| | WO 96/15576 | 5/23/96 | PCT | H02K 44/02 | No | 11/9/95 |
| | WO 00/21666 | 4/20/00 | PCT | B01L 3/02 | No | 10/12/99 |
| | EP 971 225 | 1/12/00 | EP | G01N 21/17 | Yes | 7/7/99 |

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| | FILING DATE: November 28, 2000 | GROUP: 1764 |

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US PATENT DOCUMENTS

| EXAMINER'S INITIALS | PATENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---------------------|------------|----------|------------------|-------|----------|-------------|
| EQ | 3,431,077 | 3/4/69 | Danforth | 23 | 253 | 7/18/66 |
| | 4,099,923 | 7/11/78 | Milberger | 23 | 254 | 1/17/77 |
| | 4,832,914 | 5/23/89 | Tam et al. | 422 | 130 | 2/8/88 |
| | 5,089,232 | 2/18/92 | May | 422 | 83 | 1/24/90 |
| | 5,304,354 | 4/19/94 | Finley et al. | 422 | 196 | 11/30/92 |
| | 5,356,756 | 10/18/94 | Cavicchi, et al. | 430 | 315 | 10/26/92 |
| | 5,534,328 | 7/9/96 | Ashmead et al. | 428 | 166 | 12/2/93 |
| | 5,593,642 | 1/14/97 | DeWitt et al. | 422 | 131 | 6/5/95 |
| | 5,603,351 | 2/18/97 | Cherukuri et al. | 137 | 597 | 6/7/95 |
| | 5,690,763 | 11/25/97 | Ashmead et al. | 156 | 60 | 6/6/95 |
| | 5,776,359 | 7/7/98 | Schultz et al. | 252 | 62.51 | 5/8/95 |
| | 5,811,062 | 9/22/98 | Wegeng et al. | 422 | 129 | 2/23/96 |
| | 5,842,787 | 12/1/98 | Kopf-Sill et al. | 366 | 340 | 10/9/97 |
| | 5,843,385 | 12/1/98 | Dugan | 422 | 191 | 4/2/97 |
| | 5,872,010 | 2/16/99 | Karger et al. | 436 | 173 | 7/3/96 |

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|---------------------|----------------------------|----------|---------|----------------|-----------------------|-------------|
| | DD 234 941 A1 | | Germany | | No | |
| EQ | DE 196 32 779 A1 | | Germany | G01N 35/00 | Yes | |
| | DE 198 05 719 A1 | | Germany | B01J 35/04 | Yes | |
| | DE 198 06 848 A1 | | Germany | B01J 35/02 | Yes | |
| | DE 198 09 477 A1 | 9/16/99 | Germany | G01N 31/10 | Yes | 3/6/98 |
| | DE 198 55 894 A1 | | Germany | B01J 35/04 | No | |
| | DE 27 14 939 B2 | | Germany | | No | |
| EQ | WO 00/14529 | 3/16/00 | WIPO | G01N 31/02 | No | 9/3/99 |
| | WO 97/32208 | 9/4/97 | WIPO | G01N 31/10 | No | 2/25/97 |
| | WO 98/07206 | 02/19/98 | WIPO | G01N 31/10 | Yes | 8/12/97 |
| | WO 98/16949 | 4/23/98 | WIPO | H01J 49/40 | Yes (Even pages only) | 9/26/97 |
| | WO 99/41005 | 8/19/99 | WIPO | B01J 19/00 | Yes | 2/11/99 |

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| <p>INFORMATION DISCLOSURE CITATION</p> <p>PTO-1449</p> <p>O I P E JUN 11 2002 PATENT & TRADEMARK OFFICE</p> | <p>ATTORNEY'S DOCKET NO.:</p> <p>99-1CIP1DIV1</p> | <p>APPLICATION NO.:</p> <p>09/728,732</p> |
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| <p>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages Etc.)</p> | | |
| <p>EQ</p> <p>↓</p> <p>EQ</p> | <p>G.M. Greenway, S.J. Haswell, D.O. Morgan, et al., "The Use of a Novel Microreactor for High Throughput Continuous Flow Organic Synthesis," Sensors and Actuators B-Chemical, 2000, 63, p. 153.</p> <p>Burns et al., "Development of a Microreactor for Chemical Production," AIChE 2nd International Conference on Microreaction Technology, pp. 39-44 (1998)</p> <p>Cooke, "Decreasing Gas Chromatography Analysis Times using a Multicapillary Column," Abs. 403P, Book of Abstracts, PittCon '96 (1996)</p> <p>Ehrfeld et al., "Potentials and Realizations of Microreactors," DECHEMA Monographs Vol. 132, pp. 1-28 (1995)</p> <p>Hanak et al., "Optimization Studies of Materials in Hydrogenated Amorphous Silicon Solar Cells," Photovoltaic Solar Energy Conference, Berlin (1979)</p> <p>Honick et al., "Heterogeneously Catalyzed Reactions in a Microreactor," DECHEMA Monographs Vol. 132, pp. 93-107 (1995)</p> <p>Johansson et al., "Nanofabrication of Model Catalysts and Simulations of their Reaction Kinetics," J. Vac. Sci. Technol., 17:1 (Jan/Feb 1999)</p> <p>Löwe et al., "Microreactor Concepts for Heterogeneous Gas Phase Reactions," AIChE 2nd International Conference on Microreaction Technology, pp. 63-73 (1998)</p> <p>Matlosz et al., "Microsectioned Electrochemical Reactors for Selective Partial Oxidation," AIChE 2nd International Conference on Microreaction Technology, pp. 54-59 (1998)</p> <p>S.M. Sze, "Semiconductor Sensors," Chap. 2, pp.17-96, John Wiley & Sons, Inc. (1994)</p> <p>Srinivasan et al., "Micromachined Reactors for Catalytic Partial Oxidation Reactions," AIChE Journal, Vol. 43, No. 11, pp. 3059-3069 (1997)</p> <p>Tonkovich et al., "The Catalytic Partial Oxidation of Methane in a Microchemical Reactor," AIChE 2nd International Conference on Microreaction Technology, pp. 45-53 (1998)</p> <p>van den Berg et al., "Modular Concept for Miniature Chemical Systems," DECHEMA Monographs Vol. 132, pp. 109-123 (1995)</p> <p>van Dover et al., "Discovery of a Useful Thin-Film Dielectric Using a Composition-Spread Approach," Nature, Vol. 392, No. 12, pp. 162-164 (1998)</p> <p>Bunshah, "Handbook of Deposition Technologies for Films and Coatings," 2nd Ed., Noyes Publications (1994)</p> | |

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